

Rabbit anti-Human CCDC124 Polyclonal Antibody | anti-CCDC124 antibody

Anti-CCDC124 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA256130	Rabbit	Human	Immunofluorescence, Immunocytochemistry, Immunohistochemistry

PRODUCT SYNONYMS

CCDC124; Polyclonal Antibody; Anti-CCDC124 Antibody; Rabbit Polyclonal; CCDC124 Antibody; Rabbit PAb; Antigen Affinity Purified; coiled-coil domain containing 124; anti-CCDC124 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human CCDC124
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-CCDC124 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry)
Immunogen	E Coli-derived Human CCDC124 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human CCDC124 fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescence staining of CCDC124 in U2OS cells. Cells were fixed with 4% PFA, permeabilized with 0.1% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-Human CCDC124 polyclonal antibody (dilution ratio 1:100) at 4 degree C overnight. Then cells were stained with the Alexa Fluor488-conjugated Goat Anti-rabbit IgG secondary antibody (green) and counterstained with DAPI (blue). Positive staining was localized to Cytoplasm.



IHC (Immunohistochemistry)

Immunochemical staining of human CCDC124 in human brain with rabbit polyclonal antibody at 1:500 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-CCDC124 antibody	Coiled-coil domain-containing protein-124 (Ccdc124) is a eukaryotic protein conserved from fungi-to-man and is identified as a novel centrosomal and midbody protein. Genome-wide crosslinking and immunoprecipitation of Lso2 and its human ortholog coiled-coil domain containing 124 (CCDC124) recovered 25S ribosomal RNA in a region near the A site that overlaps the GTPase activation center. Knockdown of Ccdc124 in human HeLa cells leads to accumulation of enlarged and multinucleated cells; however, centrosome maturation was not affected. We found that Ccdc124 interacts with the Ras-guanine nucleotide exchange factor 1B (RasGEF1B), establishing a functional link between cytokinesis and activation of localized Rap2 signaling at the midbody. Ccdc124 is a novel factor operating both for the proper progression of late cytokinetic stages in eukaryotes and for the establishment of Rap2 signaling dependent cellular functions proximal to the abscission site.
References	Wang YJ, et al. (2018) Lso2 is a conserved ribosome-bound protein required for translational recovery in yeast. PLoS Biol 16 (9): e2005903.Telkoparan P, et al. (2013) Coiled-coil domain containing protein 124 is a novel centrosome and midbody protein that interacts with the ras-guanine nucleotide exchange factor 1b and is involved in cytokinesis. PLoS One 8 (7): e69289.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/ccdc124-antibody-immunofluorescence-immunocytochemistry-immunohistochemistry-elisa/256130>